Manitoba
Agriculture
and Food

Information Update

Guidelines For Estimating
Swine Farrow-Finish Costs
Based On 300 Sows, 5809 Pigs Sold

www.gov.mb.ca/agriculture/

Date: February, 2002

This publication is intended to provide a format and a set of guidelines for determining the cost of production for a swine enterprise. The costs listed in this budget are estimates and not figures obtained from an actual survey of the industry in Manitoba. Adjustments will be necessary when applying these figures to your enterprise.

The assumptions on which the costs are based are outlined in the supporting pages. These assumptions were arrived at using the breeding stock, management practices, and facilities seen in modern, well managed swine operations of comparable size in Manitoba. Productivity and performance assumptions are based on information collected by department specialists, feed companies and other organizations. Where individual herd productivity and performance levels differ from those listed adjustments will be required.

Accurate, up to date, production and financial records are essential for the effective application of these guidelines to an individual operation. Without such information accurate cost of production projections cannot be determined.

The guideline can be useful for comparison purposes. Comparison of costs at different levels of production can be made with other farms, the farm over a period of time or comparing the plan with the actual results at the end of the planning period.

G 15396

Farrow-Finish Pig Cost of Production

The following farrow finish budget is based on the assumption that creep and starter rations are purchased, all others are home mixed. The budget assumes a land investment cost based on 160 acres, which would be required for this size operation, with 140 acres rented out at $25 per acre.

The budget includes an assumption that 1.5% of the market pigs are sold as lightweight pigs. It is assumed that when the lightweight pigs are sold, they will have a salvage value. Therefore, total marketing's are reduced by 1% to compensate for the lightweight pigs.

The budget includes an assumption that this particular operation is "all-in, all-out" by room. Space allocations for finishing pigs are in accordance with the Recommended Code of Practice for the Care and Handling of Farm Animals: Pigs.

The rations illustrated in this budget are examples only.
Individual farm conditions should be taken into account when formulating the diets.
Producers need to know the feed intakes of their animals.
Please consult with a nutritionist for diet information suggestions.

The Manitoba pork production industry profile is changing and this budget was specifically designed to address the need of producers who may want to analyze the cost of production for a farrow to finishing operation. Several companies are offering contracts with varying levels of guarantees. Producers need to accurately calculate their costs before they can properly make a decision.

102-04166/

300 Sow Farrow-Finish Cost of Production Summary

February, 2002

	$/Pig Sold	$/Sow /Year	Total Cost	Your Cost
A. Operating Costs				
1. Feed Costs:				
1.01 Sow Lactation Ration	3.09	59.76	17,927	
1.02 Sow Gestation Ration	7.43	143.94	43,181	
1.03 Boar Ration	0.46	8.96	2,687	
1.04 Creep Feed	3.88	75.05	22,516	
1.05 Starter Ration #1	6.55	126.79	38,037	
1.06 Starter Ration #2	5.83	112.95	33,886	
1.07 Grower Ration #1	14.94	289.34	86,802	
1.08 Grower Ration #2	19.91	385.61	115,683	
1.09 Finisher Ration	21.03	407.28	122,183	
Total Feed Cost	**$83.13**	**$1,609.67**	**$482,902**	
2. Other Operating Costs:				
2.01 Veterinary Medicine & Supplies	2.44	47.27	14,180	
2.02 Maintenance & Repairs	1.23	23.79	7,138	
2.03 Hydro & Propane	2.63	50.86	15,258	
2.04 Insurance	1.49	28.88	8,665	
2.05 Manure Costs	4.30	83.32	24,996	
2.06 Office Supplies	0.19	3.67	1,100	
2.07 Marketing & Transport.	4.89	94.69	28,408	
2.08 Sow Replacement	3.94	76.29	22,888	
2.09 Boar Replacement	1.11	21.45	6,434	
2.10 Property Tax	1.14	22.05	6,615	
Subtotal Operating Costs	$106.48	$2,061.94	$618,582	
2.11 Interest on Operating Costs	1.54	29.82	8,946	
Total Operating Costs	**$108.02**	**$2,091.76**	**$627,528**	
B. Fixed Costs				
3. Depreciation:				
3.01 Buildings & Manure Storage	5.50	106.53	31,959	
3.02 Equipment	10.06	194.71	58,414	
Total Depreciation Cost	**$15.56**	**$301.24**	**$90,373**	
4. Investment:				
4.01 Land cost	$0.28	5.33	1,600	
4.02 Buildings & Manure Storage	2.65	51.24	15,373	
4.03 Equipment	2.46	47.60	14,279	
4.04 Breeding Herd	0.83	16.00	4,800	
Total Investment Cost	**$6.21**	**$120.17**	**$36,052**	
Total Fixed Costs	**$21.76**	**$421.42**	**$126,425**	
C. Labour				
90 hours/week farrow wean	9.67	187.20	56,160	
45 hours/week grower finish	4.83	93.60	28,080	
Total Labour Cost	**$14.50**	**$280.80**	**$84,240**	
Total Cost of Production	**$144.28**	**$2,793.98**	**$838,193**	
Break-Even Price (carcass) [1]	**$/100 kg**	**$/CWT**		
Operating Cost	$107.29	$48.67		
Operating & Labour Cost	$121.69	$55.20		
Operating, Labour & Fixed Cost	$143.31	$65.00		

[1] FOOTNOTE: Break-even Price = Cost per Hog Sold ÷ (Slaughter Weight X Dressing Percentage X Index)

Farrow - Finish Pig Production Costs

1. This input table outlines the cost of production for a farrow finish operation.
2. Buildings and equipment are valued at new cost.
3. Purchased feed is used for creep and starter all other feed is home mixed.
4. Manure haulage is contracted out.
5. Gilts are purchased for herd replacement.
6. No weaner pigs are sold.

Farrow - Wean Pig Production Assumptions

Indicators of Productivity	
Sows	**300**
Boars	**15**
Litters/Sow/Year	**2.20**
Average Weaning Age (days)	**21**
Average Born Alive per Litter	**10.50**
Percent Pre-Weaning Mortality	**10.0**
Percent Post-Weaning Mortality	**3.0**

Herd Profile	**Total**	**/Sow**	**/Litter**	**%Mortality**
Sows	300			
Boars	15			
Litters	660	2.20		
Pigs Born Alive	6,930	23.10	10.50	
Pigs Died, Pre-Weaning	693	2.31	1.05	10.0
Pigs Weaned	6,237	20.79	9.45	
Pigs Died, Post-Weaning	187	0.62	0.28	3.0
Weaner Pigs Transferred	6,050	20.17	9.17	

Feed Requirements and Costs		**Purchased**	**Home-Mixed**
Dry Sow Ration	**2.3** kg/day	**$0.00**	$196.30 /tonne
Nursing Sow Ration	**6.0** kg/day	**$0.00**	$215.57 /tonne
Boar Ration	**2.5** kg/day	**$0.00**	$196.30 /tonne
Creep Feed	**3.0** kg	**$1,083.00**	$0.00 /tonne
Starter Ration 1	**14.0** kg	**$449.00**	$0.00 /tonne
Starter Ration 2	**14.0** kg	**$400.00**	$0.00 /tonne

Weaner Pig Efficiency	**Starter #1**	**Starter #2**	**Total**
Days Post-Weaning (nursery)	**21**	**14**	35 days
Target Starting Weight (kg)	**8.0**	**16.0**	8.0 kg
Target Ending Weight (kg)	**16.0**	**23.0**	23.0 kg
Feed Conversion Ratio (feed:gain)	1.75	2.00	1.87
Average Daily Gain (kg)	0.38	0.50	0.44 kg

Labour		
Total Hours per 7-day week	**90.0**	hours/week (including manager)
Hourly Wage (including hired manager)	**$12.00**	/hour (weighted)

Grower-Finisher Pig Production Assumptions

Livestock values are based on

a Market Price for Pork of:	**$158.00**	/100 kg	**110** Market Index
or:	$71.67	/cwt	**81** % Dressing
Premium:	$0.00	/head	

Indicators of Productivity	**Grower 1**	**Grower 2**	**Finish**	**Total**
No. of Pigs (Beginning)	6,050	5,990	5,930	--
Average Beginning Weight (kg)	**23.0**	50.0	80.0	--
Average Ending Weight (kg)	**50.0**	**80.0**	**113.0**	--
Percent Mortality	**1.00**	**1.00**	**1.00**	3.00
Days on Feed	**40**	**37**	**43**	120.30
Feed Conversion Ratio [1]	**2.60**	**3.20**	**3.30**	3.06
No. of Pigs (Ending)	5,990	5,930	5,870	--
Weight Gain/Pig (kg)	27.0	30.0	33.0	90.0
Feed Disappearance/Pig (kg)	70.2	96.0	108.9	275.1
Average Daily Gain (kg)	0.675	0.811	0.762	0.748
Average No. Pigs in Barn [2]	660	604	700	1,964

[1] FOOTNOTE: The Feed Conversion Ratio (FCR) in the 'Total' column is a weighted average of the other feed conversion ratios. Also note that an accurate feed conversion ratio for the grower-finisher enterprise is calculated by dividing 'Total Feed used per Year' by 'Total Gain per Year'; where 'Total Gain per Year' equals 'Total Hogs Sold' times 'Gain per Hog'. When calculated in this way, the feed conversion ratio includes feed lost through wastage and weight gain lost through death of pigs.

[2] FOOTNOTE: Assume that "Avg. No. of Pigs in Barn" equals "Pig Places".

Productivity Profile	**Total**		
Pigs transferred	6,050		
Pigs Died	182	3.00	% mortality
Pigs available for marketing	5,868		
Less light weight pig adjustment	59	1.00	% light weight adjustment
Pigs Sold at full market value	5,809	19.36	sold/sow
Total Days to Market	176		
Turnover (365 / days to market)	2.07		

Feed Requirements and Costs

	FCR*	**kg/pig**	**Ration Cost Purchased**	**Home-Mixed**
Grower-1 Ration	2.60	70.2	**$0.00**	$212.85 /tonne
Grower-2 Ration	3.20	96.0	**$0.00**	$207.43 /tonne
Finish Ration	3.30	108.9	**$0.00**	$193.13 /tonne

*** FCR = Feed Conversion Ratio (Feed:Gain)**

Labour

Total Hours per year	**45.0**	hours/week	2,340 hours/year
Wage (incl. benefits @15%)	**$12.00**	/hour (weighted)	

Capital Costs

			$/Sq.Ft.	Total	/Sow
Buildings					
Gestation	8,100	sq.ft.	**$17.10**	$138,510	$461.70
Farrowing/Nursing	9,900	sq.ft.	**$19.45**	$192,555	$641.85
Feeder Barn	19,439	sq.ft.	**$14.20**	$276,039	$920.13
Office & Loading	**288**	sq.ft.	**$23.15**	$6,667	$22.22
Standby Generator				**$25,000**	$83.33
Feed Mill (building only)				**$10,000**	$33.33
Total Building Cost				**$648,771**	$2,162.57
Equipment			**$/Sq.Ft.**		
Gestation			**$15.25**	123,525	$411.75
Farrowing/Nursing			**$20.00**	198,000	$660.00
Finishing Barn			**$11.55**	$224,525	$748.42
Fire Alarm System				**$3,000**	$10.00
Feed Mill (equipment only).				**$100,000**	$333.33
Total Equipment Cost				**$649,050**	**$2,163.50**
Total Buildings and Equipment Cost				**$1,297,821**	**$4,326.07**
Breeding Stock					
Value of Replacement Sow	$350	/sow		$105,000	$350.00
Value of Replacement Boar	$1,000	/boar		$15,000	$50.00
Total Breeding Stock Cost				**$120,000**	**$400.00**
Land Value					
Land Investment	20 acres @		$500 /acre	$10,000	$33.33
Other Costs					
Site Preparation				**$30,000**	$100.00
Manure Storage				**$55,000**	$183.33
Total Other Costs				**$85,000**	**$283.33**
Total Capital Investment				**$1,482,821**	**$4,942.74**

[1] FOOTNOTE: The number of square feet allocated for buildings and equipment are approximations. Cost per sow for buildings and equipment will vary around the province.

FOOTNOTE: 1 sq.ft. = 0.0929 sq.m; 1 sq.m.= 10.764 sq.ft.; 1 ft.= 0.3048 m

Feed Ingredient Costs

	Price ($/tonne)	Your Cost
Barley	$162.00	
Wheat-HRS	$155.00	
Wheat-CPS	$155.00	
Corn	$141.00	
Soybean Meal - 47 %	$300.00	
Canola Meal - 34%	$200.00	
Creep Premix	$850.00	
Sow Micro Premix	$2,550.00	
Grower Micro Premix	$2,400.00	
Canola Oil	$600.00	
Whey Powder	$720.00	
Herring Meal	$1,400.00	
Plasma	$7,500.00	
Limestone	$70.00	
Dical (16% Ca-21% P)	$450.00	
Salt - 96%	$100.00	
L-Lysine HCL	$2,550.00	
L-Threonine	$6,100.00	
Oats - Steam rolled	$400.00	
Processing Cost		
(Hydro, Repairs/Maintenance & Insurance	$3.25	
Percent Weight loss due to processing	1.25	
Labour Cost	$4.00	

Feed Requirement and Cost Summary

	Amount (kg)	Price ($ /tonne)	Ration Cost ($ /tonne)	Your Cost
Dry Sow				
Barley	810.2	$162.00	$131.25	
Canola Meal - 34%	138.0	$200.00	$27.60	
Sow Micro Premix	5.0	$2,550.00	$12.75	
Canola Oil	10.0	$600.00	$6.00	
Limestone	16.5	$70.00	$1.16	
Dical (16% Ca-21% P)	14.9	$450.00	$6.71	
Salt - 96%	3.5	$100.00	$0.35	
L-Lysine HCL	1.9	$2,550.00	$4.85	
Total Dry Sow:	**1,000.0 kg**		**$190.67**	
Adjusted For Weight Loss		1.25 %	$193.05	
Plus Processing Cost		$3.25	$196.30	
Plus Labour Cost		$4.00	**$200.30**	
Nursing Sow:				
Barley	530.7	$162.00	$85.97	
Corn	199.0	$141.00	$28.06	
Soybean Meal - 47 %	117.0	$300.00	$35.10	
Canola Meal - 34%	80.0	$200.00	$16.00	
Sow Micro Premix	5.0	$2,550.00	$12.75	
Canola Oil	30.0	$600.00	$18.00	
Limestone	15.0	$70.00	$1.05	
Dical (16% Ca-21% P)	16.5	$450.00	$7.43	
Salt - 96%	4.9	$100.00	$0.49	
L-Lysine HCL	1.9	$2,550.00	$4.85	
Total Nursing Sow:	**1,000.0 kg**		**$209.70**	
Adjusted For Weight Loss		1.25 %	$212.32	
Plus Processing Cost		$3.25	$215.57	
Plus Labour Cost		$4.00	**$219.57**	
Boar Ration:				
Barley	810.2	$162.00	$131.25	
Canola Meal - 34%	138.0	$200.00	$27.60	
Creep Premix				
Sow Micro Premix	5.0	$2,550.00	$12.75	
Grower Micro Premix				
Canola Oil	10.0	$600.00	$6.00	
Limestone	16.5	$70.00	$1.16	
Dical (16% Ca-21% P)	14.9	$450.00	$6.71	
Salt - 96%	3.5	$100.00	$0.35	
L-Lysine HCL	1.9	$2,550.00	$4.85	
Total Boar:	**1,000.0 kg**		**$190.67**	
Adjusted For Weight Loss		1.25 %	$193.05	
Plus Processing Cost		$3.25	$196.30	
Plus Labour Cost		$4.00	**$200.30**	

	Amount (kg)	Price ($ /tonne)	Ration Cost ($ /tonne)	Your Cost
Creep Ration:				
Corn	133.9	$141.00	$18.87	
Soybean Meal - 47 %	129.3	$300.00	$38.79	
Creep Premix	34.0	$850.00	$28.90	
Canola Oil	18.2	$600.00	$10.92	
Whey Powder	124.8	$720.00	$89.86	
Herring Meal	74.9	$1,400.00	$104.86	
L-Lysine HCL	0.5	$2,550.00	$1.28	
Oats - Steam rolled	484.4	$400.00	$193.76	
Total Creep:	**1,000.0 kg**		**$487.24**	
Adjusted For Weight Loss		1.25 %	$493.33	
Plus Processing Cost		$3.25	$496.58	
Plus Labour Cost		$4.00	**$500.58**	
Starter #1:				
Corn	607.5	$141.00	$85.66	
Soybean Meal - 47 %	204.2	$300.00	$61.26	
Creep Premix	39.9	$850.00	$33.92	
Canola Oil	11.3	$600.00	$6.78	
Whey Powder	90.7	$720.00	$65.30	
Herring Meal	45.4	$1,400.00	$63.56	
L-Lysine HCL	1.0	$2,550.00	$2.55	
Total Starter #1	**1,000.0 kg**		**$319.03**	
Adjusted For Weight Loss		1.25 %	$323.02	
Plus Processing Cost		$3.25	$326.27	
Plus Labour Cost		$4.00	**$330.27**	
Starter #2:				
Barley	186.0	$162.00	$30.14	
Corn	545.8	$141.00	$76.96	
Soybean Meal - 47 %	226.9	$300.00	$68.07	
Creep Premix	39.9	$850.00	$33.92	
L-Lysine HCL	1.4	$2,550.00	$3.57	
Total Starter #2	**1000.0 kg**		**$212.66**	
Adjusted For Weight Loss		1.25 %	$215.32	
Plus Processing Cost		$3.25	$218.57	
Plus Labour Cost		$4.00	**$222.57**	

	Amount (kg)	Price ($ /tonne)	Ration Cost ($ /tonne)	Your Cost
Grower Ration #1:				
Barley	422.1	$162.00	$68.38	
Corn	300.0	$141.00	$42.30	
Soybean Meal - 47 %	148.0	$300.00	$44.40	
Canola Meal - 34%	80.0	$200.00	$16.00	
Grower Micro Premix	5.0	$2,400.00	$12.00	
Canola Oil	20.0	$600.00	$12.00	
Limestone	11.5	$70.00	$0.81	
Dical (16% Ca-21% P)	8.8	$450.00	$3.96	
Salt - 96%	2.3	$100.00	$0.23	
L-Lysine HCL	2.0	$2,550.00	$5.10	
L-Threonine	0.3	$6,100.00	$1.83	
Total Grower-1	**1,000.0 kg**		**$207.01**	
Adjusted For Weight Loss		1.25 %	$209.60	
Plus Processing Cost		$3.25	$212.85	
Plus Labour Cost		$4.00	**$216.85**	
Grower Ration #2:				
Barley	555.0	$162.00	$89.91	
Corn	191.0	$141.00	$26.93	
Soybean Meal - 47 %	108.0	$300.00	$32.40	
Canola Meal - 34%	100.0	$200.00	$20.00	
Grower Micro Premix	5.0	$2,400.00	$12.00	
Canola Oil	20.0	$600.00	$12.00	
Limestone	11.3	$70.00	$0.79	
Dical (16% Ca-21% P)	5.8	$450.00	$2.61	
Salt - 96%	2.3	$100.00	$0.23	
L-Lysine HCL	1.4	$2,550.00	$3.57	
L-Threonine	0.2	$6,100.00	$1.22	
Total Grower-2	**1,000.0 kg**		**$201.66**	
Adjusted For Weight Loss		1.25 %	$204.18	
Plus Processing Cost		$3.25	$207.43	
Plus Labour Cost		$4.00	**$211.43**	
Finisher Ration:				
Barley	817.4	$162.00	$132.42	
Soybean Meal - 47 %	43.0	$300.00	$12.90	
Canola Meal - 34%	100.0	$200.00	$20.00	
Canola Oil	20.0	$600.00	$12.00	
Limestone	11.3	$70.00	$0.79	
Dical (16% Ca-21% P)	3.7	$450.00	$1.67	
Salt - 96%	2.2	$100.00	$0.22	
L-Lysine HCL	2.0	$2,550.00	$5.10	
L-Threonine	0.4	$6,100.00	$2.44	
Total Stage-3	**1,000.0 kg**		**$187.54**	
Adjusted For Weight Loss		1.25 %	$189.88	
Plus Processing Cost		$3.25	$193.13	
Plus Labour Cost		$4.00	**$197.13**	

Farrow Finish Pig Production Cost Worksheet

			Your Cost
A. Operating Costs			
1. Feed Requirements and Costs			
1.01 Sow Lactation Ration			
	21	days average weaning age	
x	2.20	litters/sow/year	
=	46.2	days lactation	
x	6.0	kg ration/day	
x	$215.57	/tonne ration	
÷	1,000	kg/tonne	
÷	19.36	pigs sold/sow/year	
=	**$3.09**	**/pig sold**	
1.02 Sow Gestation Ration			
	365	days/year	
-	46.2	days lactation	
=	318.8	days gestation	
x	2.3	kg ration/day	
x	$196.30	/tonne ration	
÷	1,000	kg/tonne	
÷	19.36	pigs sold/sow/year	
=	**$7.43**	**/pig sold**	
1.03 Boar Ration			
	365	days	
x	2.5	kg ration/day	
x	$196.30	/tonne ration	
÷	1,000	kg/tonne	
x	15	boars	
÷	300	sows	
÷	19.36	pigs sold/sow/year	
=	**$0.46**	**/pig sold**	
1.04 Creep Feed			
	3	kg ration/pig	
x	$1,083.00	/tonne of creep feed	
÷	1,000	kg/tonne	
x	23.10	pigs born alive/sow/year	
÷	19.36	pigs sold/sow/year	
=	**$3.88**	**/pig sold**	

			Your Cost
1.05 Starter Ration #1			
	16.00	kg target sale weight	
-	8.00	kg target weaning weight	
=	8.00	kg weight gain	
x	1.75	feed conversion ratio	
=	14.00	kg ration/pig	
x	$449.00	/tonne starter ration #1	
÷	1,000	kg/tonne	
x	20.17	weaners transferred/sow/year	
÷	19.36	pigs sold/sow/year	
=	**$6.55**	**/pig sold**	
1.06 Starter Ration #2			
	23.00	kg target sale weight	
-	16.00	kg target weaning weight	
=	7.00	kg weight gain	
x	2.00	feed conversion ratio	
=	14.00	kg ration/pig	
x	$400.00	/tonne starter ration #2	
÷	1,000	kg/tonne	
x	20.17	weaners transferred/sow/year	
÷	19.36	pigs sold/sow/year	
=	**$5.83**	**/pig sold**	
1.07 Grower Ration #1			
	27.0	kg weight gain/pig	
x	2.60	feed conversion ratio	
=	70.2	kg ration/pig	
x	$212.85	/tonne ration	
÷	1,000	kg/tonne	
=	**$14.94**	**/pig sold**	
1.08 Grower Ration#2			
	30.0	kg weight gain/pig	
x	3.20	feed conversion ratio	
=	96.0	kg ration/pig	
x	$207.43	/tonne ration	
÷	1,000	kg/tonne	
=	**$19.91**	**/pig sold**	
1.09 Finisher Ration			
	33.0	kg weight gain/pig	
x	3.30	feed conversion ratio	
=	108.9	kg ration/pig	
x	$193.13	/tonne ration	
÷	1,000	kg/tonne	
=	**$21.03**	**/pig sold**	

			Your Cost
2. Other Operating Costs			
2.01 Veterinary Medicine & Supplies			
	$7.29	/sow/year services	
+	$21.83	/sow/year medication	
±	19.36	pigs sold/sow/year	
=	$1.50	/pig sold	
	$0.90	/pig transferred in	
x	6,050	pigs transferred in	
±	5,809	pigs sold	
=	$0.94	/pig sold	
=	**$2.44**	**/pig sold**	
2.02 Maintenance & Repairs			
	$1,297,821	building & equipment	
x	0.55	%/sow/year repair & maintenance	
±	5,809	pigs sold/sow/year	
=	**$1.23**	**/pig sold**	
2.03 Hydro & Propane/Natural Gas			
	$5,000	propane/natural gas	
x	$10,258	hydro	
±	5,809	pigs sold	
=	**$2.63**	**/pig sold**	
2.04 Insurance			
	$1,297,821	buildings & equipment	
x	$0.46	rate/$100	
+	100	/$100 capital invested	
±	5,809	pigs sold	
=	$1.03	/pig sold	
	$120,000	breeding stock	
+	$294,560	market hogs value	
+	$0.65	/$100 capital invested	
±	5,809	pigs sold	
=	$0.46	/pig sold	
=	**$1.49**	**/pig sold**	
2.05 Manure Costs			
Haulage	63.0	litres/sow/day	
x	$0.00	/cubic metre haulage rate	
x	365	days	
±	19.36	pigs sold/sow/year	
=	$3.56	/pig sold	

			Your Cost
Odour control	$4,300	total costs	
±	5,809	pigs sold	
=	$0.74	/pig sold	
Total =	**$4.30**	**/pig sold**	

2.06 Office Supplies

	300	number of sows	
x	$2.00	fixed rate/sow	
=	$600.00		
+	$500.00	minimum cost	
=	1,100.00	total	
+	300	sows	
±	19.36	pigs sold/sow/year	
=	**$0.19**	**/pig sold**	

2.07 Marketing & Transportation

	$2.50	trucking	
+	$0.85	universal levy	
+	$0.04	grading charge	
+	$0.65	truck washing	
±	$0.85	insurance	
=	**$4.89**	**/pig sold**	

2.08 Sow Replacement

	180.0	kg/sow (cull weight)	
x	$88.48	/100 kg live	
=	$159.26	/sow value of cull	
	$350.00	/sow value of replacement	
-	$159.26	/sow value of cull	
=	$190.74	net replacement cost	
x	40.0	percent sow culling rate	
±	19.36	pigs sold/sow/year	
=	**$3.94**	**/pig sold**	

2.09 Boar Replacement

	225.0	kg/boar (cull weight)	
x	$63.20	/100 kg live	
=	$142.20	/boar value of cull	
	$1,000	/boar value of replacement	
-	$142.20	/boar value of cull	
=	$857.80	net replacement cost	
x	50.0	% culling rate	
x	15	number of boars	
+	300	number of sows	
±	19.36	pigs sold/sow/year	
=	**$1.11**	**/pig sold**	

			Your Cost
2.10 Property Taxes			
	$6,615	total taxes	
÷	5,809	pigs sold	
=	**$1.14**	**/pig sold**	
2.11 Interest on Operating Cost:			

Sub-total Operating Cost X Total Days to Market X % Interest
365 2

	$106.48	subtotal operating	
x	176	days farrow to farrow	
÷	365	days per year	
x	6.0	% operating interest rate	
÷	2	average	
=	**$1.54**	**/pig sold**	

B. Fixed Costs

3. Depreciation: **Original cost - Salvage Value**
Useful Life

3.01 Buildings			
	$704,050	building cost (including earthen manure storage)	
-	$64,877	salvage value (building only)	
÷	20	years useful life	
÷	5,809	pigs sold	
=	**$5.50**	**/pig sold**	
3.02 Equipment			
	$649,050	equipment cost	
-	$64,905	salvage value	
÷	10	years useful life	
÷	5,809	pigs sold	
=	**$10.06**	**/pig sold**	

4. Investment:

(Original Cost + Salvage Value) X % Investment Interest
2

4.01 Land Cost			
	$10,000	land investment	
-	$30,000	site preparation	
x	4.0	% investment rate	
÷	5,809	pigs marketed	
=	**$0.28**	**/pig sold**	

			Your Cost
4.02 Buildings			
	$703,771	building cost (including earthen manure storage)	
+	$64,877	salvage value (building only)	
+	2	average	
x	4.0	% investment rate	
÷	5,809	pigs sold	
=	**$2.65**	**/pig sold**	
4.03 Equipment			
	$649,050	equipment cost/sow	
+	$64,905	salvage value/sow	
+	2	average	
x	4.0	% investment rate	
÷	5,809	pigs sold	
=	**$2.46**	**/pig sold**	
4.04 Breeding Stock			
	$120,000	value of breeding stock	
x	4.0	% investment rate	
÷	5,809	pigs sold	
=	**$0.83**	**/pig sold**	
C. Labour			
Farrow Wean	90.0	hours/week	
x	52	weeks/year	
x	$12.00	/hour	
+	300	sows	
÷	19.36	pigs sold/sow/year	
=	**$9.67**	**/pig sold**	
Grower Finish	2,340	total hours/year	
x	$12.00	/hour	
÷	5,809	pigs sold/sow/year	
=	**$4.83**	**/pig sold**	
=	**$14.50**	**/pig sold**	

Summary of Purchased Feeds Used

Farrow finish **300 sows**
Total sold **5,809 pigs sold**

	Total per Year (tonnes)	Total per Month (tonnes)	Total per Pig (kgs)	Total per Pig (lbs)
Dry Sow Ration	0	0.0	0.0	0.0
Nursing Sow Ration	0	0.0	0.0	0.0
Boar Ration	0	0.0	0.0	0.0
Creep Feed	19	1.6	3.2	7.1
Starter Ration 1	87	7.3	15.0	33.1
Starter Ration 2	87	7.3	15.0	33.1
Grower Ration 1	0	0.0	0.0	0.0
Grower Ration 2	0	0.0	0.0	0.0
Finish Ration	0	0.0	0.0	0.0
Total	**193.3**	**16.1**	**33.3**	**73.4**

Summary of Home Mixed Feed Ingredients Used

	Total per Year (tonnes)	Total per Month (tonnes)	Total per Pig (kgs)	Total per Pig (lbs)
Barley	1273.6	106.1	219.2	483.3
Wheat-HRS	0.0	0.0	0.0	0.0
Wheat-CPS	0.0	0.0	0.0	0.0
Corn	254.9	21.2	43.9	96.7
Soybean Meal - 47 %	163.6	13.6	28.2	62.1
Canola Meal - 34%	196.8	16.4	33.9	74.7
Creep Premix	0.0	0.0	0.0	0.0
Sow Micro Premix	1.6	0.1	0.3	0.6
Grower Micro Premix	5.0	0.4	0.9	1.9
Canola Oil	38.1	3.2	6.6	14.5
Whey Powder	0.0	0.0	0.0	0.0
Herring Meal	0.0	0.0	0.0	0.0
Plasma	0.0	0.0	0.0	0.0
Limestone	24.0	2.0	4.1	9.1
Dical (16% Ca-21% P)	14.4	1.2	2.5	5.5
Salt - 96%	5.0	0.4	0.9	1.9
L-Lysine HCL	3.6	0.3	0.6	1.4
L-Threonine	0.5	0.0	0.1	0.2
Oats - Steam rolled	0.0	0.0	0.0	0.0
Total Ration Used	**1,977.1**	**164.76**	**340.3**	**750.3**
Total	**2,170.4**	**180.9**	**373.6**	**823.7**

For further information contact your local Manitoba Agriculture and Food office.

Prepared by:
Peter Blawat
Farm Management Specialist

Ian Seddon
Swine Specialist

Normand Mabon
Farm Management Specialist

John Maltman
Swine Specialist